

ABSTRACT**METHOD AND SYSTEM FOR ROUTING PATH SELECTION**

5 A method and system for selecting routing paths are provided. The routing path comprises a route and at least one characteristic from a set of characteristics. The method logs data of selected routing paths in response to requests from client devices to collect historical data of selecting routing paths and stores the data of selected routing paths in a data storage. Thereafter, a machine learning model is trained on the historical data of selecting routing paths received
10 from the data storage. The output of the machine learning model is a selection prediction for the routing path. In response to a new request from a client device, a set of routes fulfilling the request is determined in order to determine a set of routing paths by combining the set of routes with characteristics from the set of characteristics. The trained machine learning model is applied on the set of routing paths to determine a subset of routing paths for which the selection
15 prediction is higher than a threshold. Details of the subset of routing paths are then queried and valid routing paths determined. Finally, the details of at least a subset of the valid routing paths are returned to the client device.

Fig. 1A